

ABSTRACT

An optical receiver preamplifier includes an inverting amplifier **1** and a current-voltage conversion element **2** connected between input and output terminals of the inverting amplifier **1**. The inverting amplifier **1** includes a first transistor **3** having a gate connected to the input terminal **In** of the inverting amplifier **1**, a second transistor **4** having a source connected to a drain of the first transistor **3** and a gate to which a predetermined voltage **Vb** is applied, and a load **5** connected to a drain of the second transistor **4**. A third transistor **6** is connected between the input terminal **In** of the inverting amplifier **1** and a source of the second transistor **4**.